

# Solar Wedge Cooker

Solar

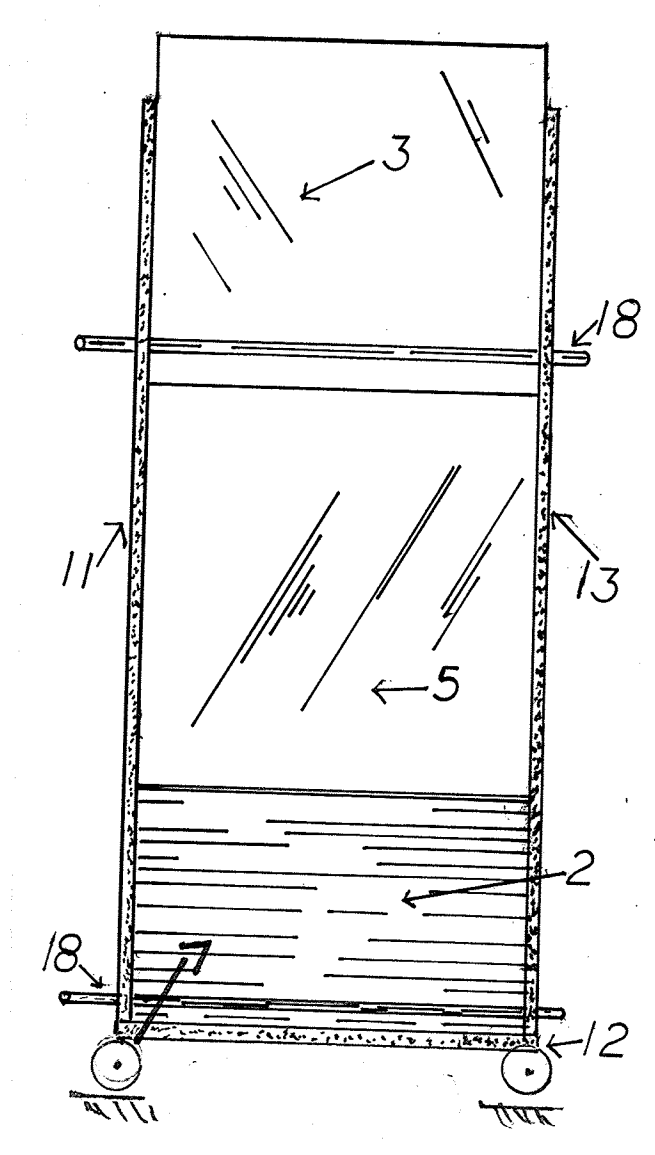
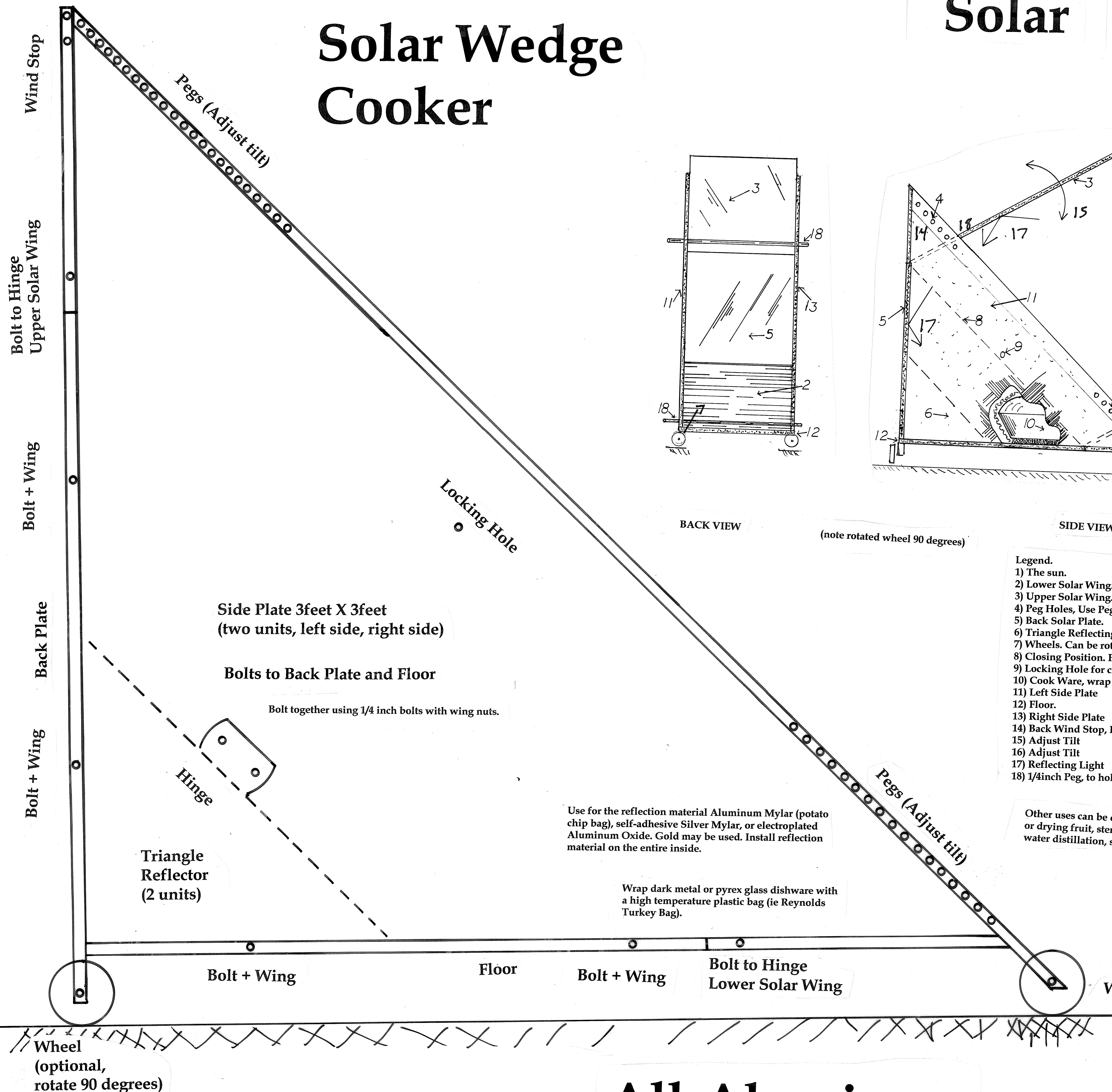
Smelters

International

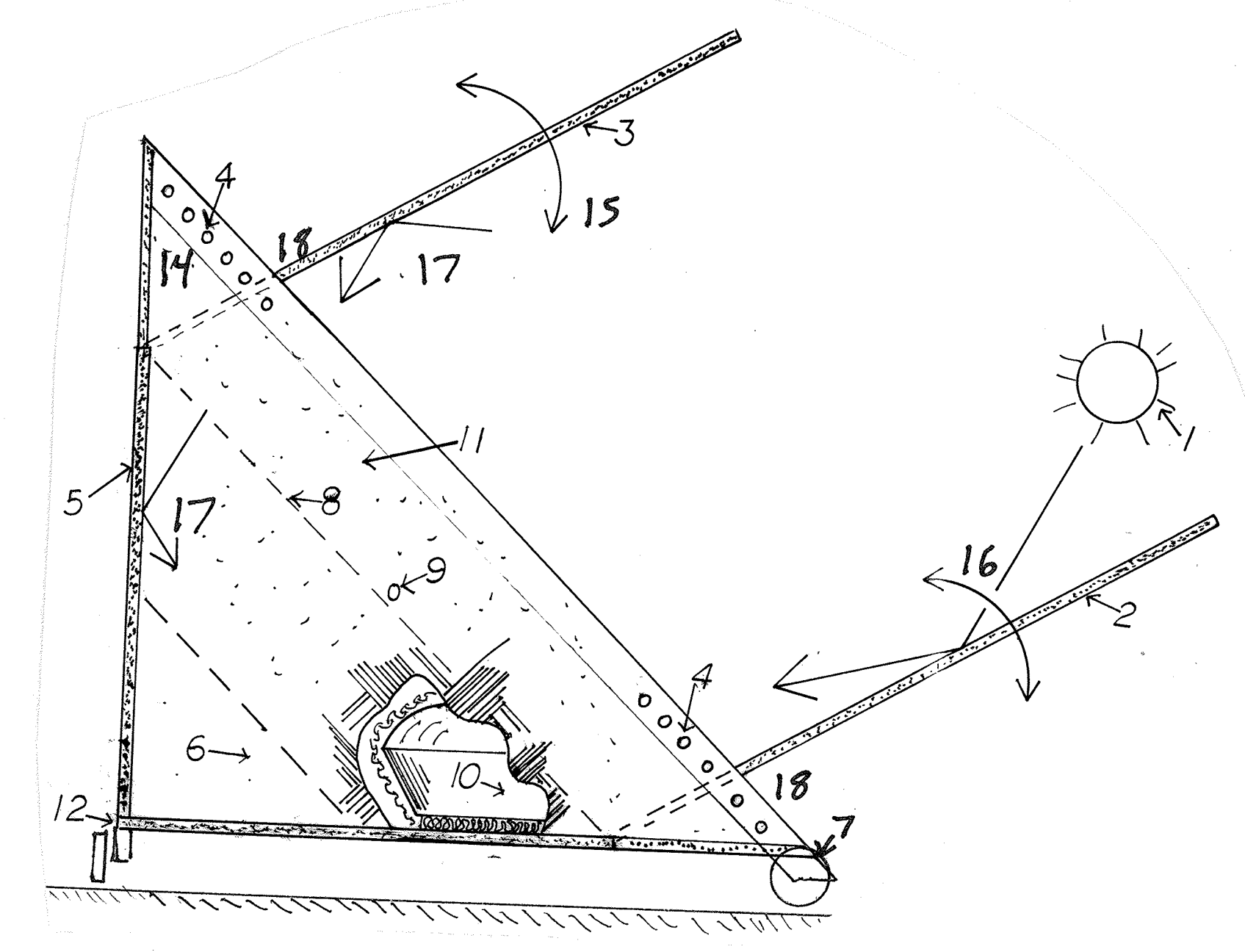
**BUILD YOURSELF DRAWINGS**

**Biodiesel Processor**

For biodiesel processing, put grease into a Clear Plastic Container, and heat grease with concentrated sunlight. Sunlight helps heat grease for preprocessing for the chemical biodiesel process. Sunlight also breaks down molecules with light of the grease into shorter molecules, making for better quality biodiesel.



BACK VIEW



SIDE VIEW

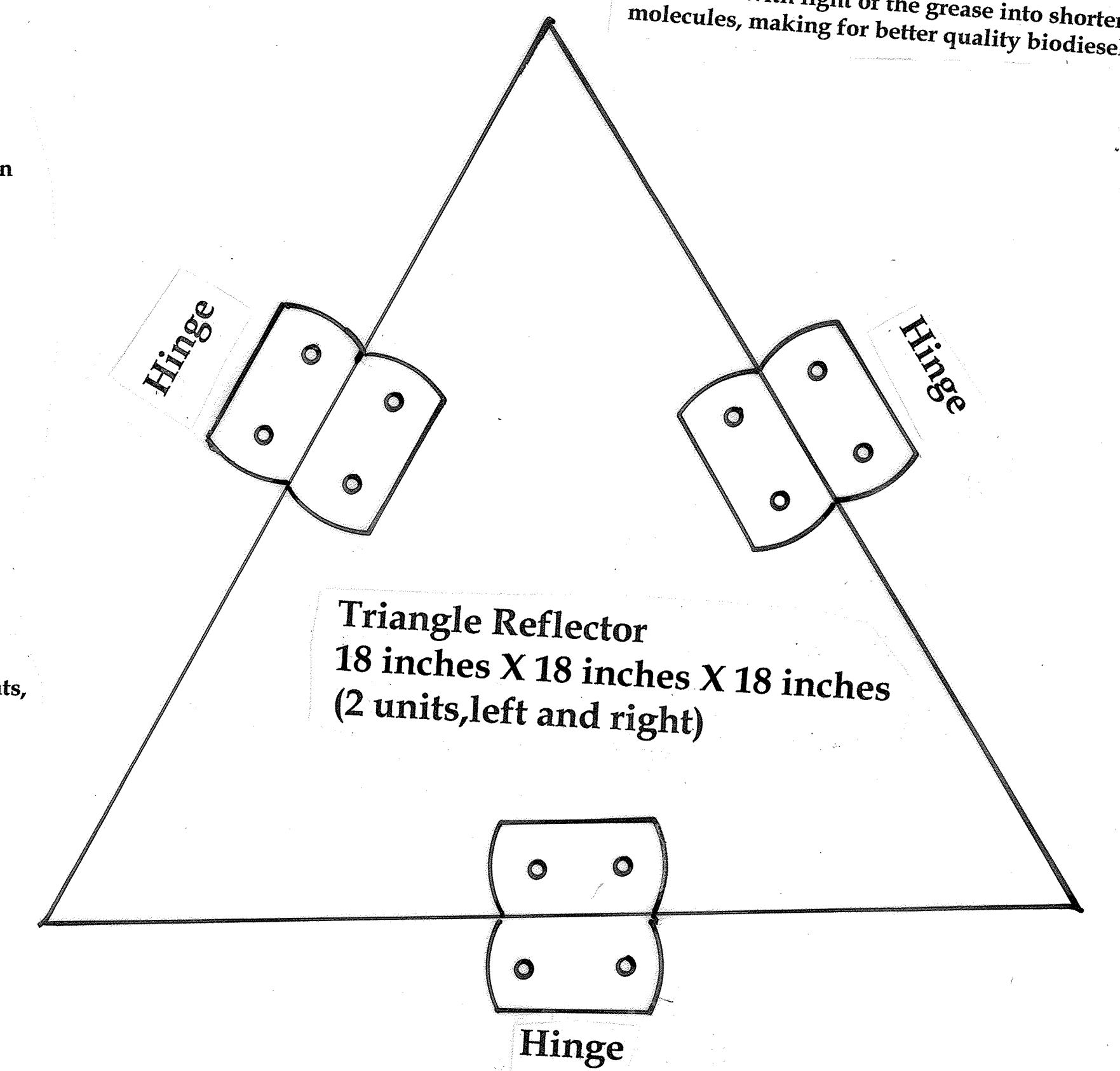
(note rotated wheel 90 degrees)

- Legend.
- 1) The sun.
  - 2) Lower Solar Wing. Adjust by tilting.
  - 3) Upper Solar Wing. Adjust by tilting.
  - 4) Peg Holes, Use Peg to hold Solar Wing in Position
  - 5) Back Solar Plate.
  - 6) Triangle Reflecting Plate (2 units)
  - 7) Wheels. Can be rotated 90 degrees.
  - 8) Closing Position. Fold Solar Wings to close.
  - 9) Locking Hole for closed Solar Wings.
  - 10) Cook Ware, wrap with High Temperature Bag.
  - 11) Left Side Plate
  - 12) Floor.
  - 13) Right Side Plate
  - 14) Back Wind Stop, Keep Solar Wings from flying
  - 15) Adjust Tilt
  - 16) Adjust Tilt
  - 17) Reflecting Light
  - 18) 1/4inch Peg, to hold Solar Wings in Place.

Other uses can be done, such as drying fish, or drying fruit, sterilization of medical instruments, water distillation, solar tea, etc.

Use for the reflection material Aluminum Mylar (potato chip bag), self-adhesive Silver Mylar, or electroplated Aluminum Oxide. Gold may be used. Install reflection material on the entire inside.

Wrap dark metal or pyrex glass dishware with a high temperature plastic bag (ie Reynolds Turkey Bag).



## All-Aluminum

Patent Pending  
Wedge Shape Solar Cooker  
Application 12284177

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Use 1 inch X 1 inch Aluminum Square Tubing. Rivet every 1 1/2 inches to Aluminum Sheet Metal. Care should be taken for sharp edges. Silver Tape Edges of Triangle Plate to reduce hazard of sharp cuts. Eye Ware Recommended.

Disclaimer: Use at your own risk. Experimental. The user shall NOT hold the inventor, Sunbustion, or Solar Smelters International liable for misuse, abuse, misclaims, or injury. The user shall be responsible for proper cooking of food, and its safe operation.

For additional information  
[www.solarwashington.org](http://www.solarwashington.org)  
[www.solarcookers.org](http://www.solarcookers.org)  
[www.solarsmeltersinternational.org](http://www.solarsmeltersinternational.org)

Inventor: Martin Nix  
PO Box 95173  
Seattle, Wa 98145-2173  
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SEA #101 WA*